

THE STATE OF ALASKA POTATO PROGRAM

Introduction

Purpose

Goals

PROGRAM PURPOSE

- Provide clean source seed to AK certified potato seed growers
 - Maintain multiple varieties
 - Provide technical support to growers/gardeners
 - Partner with research projects
 - Promote the health of the Agricultural Industry
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TISSUE CULTURE YEAR-ROUND MAINTENANCE COLLECTION



ELISA		Nucleic Acid Hybridization	NBY Grow out	CVP grow out	qPCR
PLRV	PVX	PSTVd	Bacteria	Soft Rot	CMS
PVA	PVY			Erwinia	
PVM	PMTV			Dickeya	
PVS	TRV			Pectobacterium	



SAMPLING

- PLRV
- PVX
- PVY
- PSTVd

Category	Red	White	Yellow	Russet	Speciality
Characteristics	• Low SpG • Thin skin • Hold shape after boiling	• Variable SpG • Multipurpose	• Low SpG • Thin skin • Flavor • Flesh Color	• High SpG • Dry Flaky • Thick skin • Bake/Fry	• Variable • Shape or Color • Antioxidants
Varieties	Chieftain Sangree Cherry Red Desiree Pimpernel Redsen Favorite Red Red Gold Viking Red Norland Bliss Triumph Iditared	Atlantic Cal White Kennebec Denali MaineStay Green Mtn Ontario Shepody Snowchip Pike	Daisy Gold MMYF Yellow Finn Yukon Gold Saginaw Gold GBB	Allagash Ranger Norkotah HiLite Russ Krantz Lemhi	Bushes Peanut Magic Molly Magic Myrna Delta Red Fiesta All Red Huckleberry All Blue French Fingerling CandyCane Rose Finn Apple



- ▶ Market/Use
- ▶ Disease Resistance
- ▶ Yield
- ▶ Flavor/Nutrition
- ▶ Maturity

VARIETY SELECTION

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- ▶ Stay Relevant
 - ▶ Protect Alaska's Clean Status
 - ▶ Support the Potato Industry
 - ▶ Provide Information

GOALS



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